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IMAGERY

ANALYSIS



STAFF

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY
INDUSTRIAL ACTIVITY

NORTH VIETNAM

DECLASS REVIEW by NIMA/DOD

CIA/PIR75103

DATE MAR. 1967

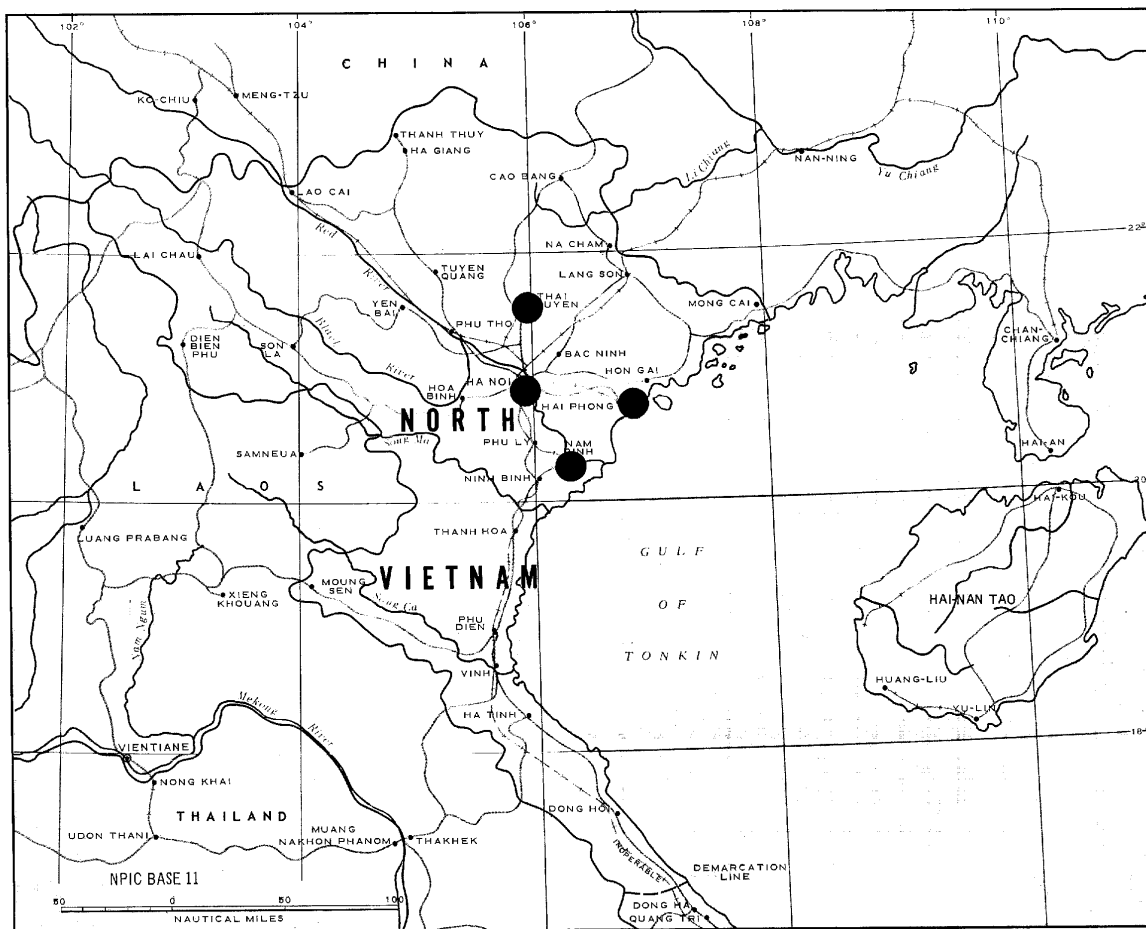
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Excluded from automatic
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FIGURE 1

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CHEMICAL AND SCIENTIFIC SECTION
INDUSTRIAL BRANCH, IAS

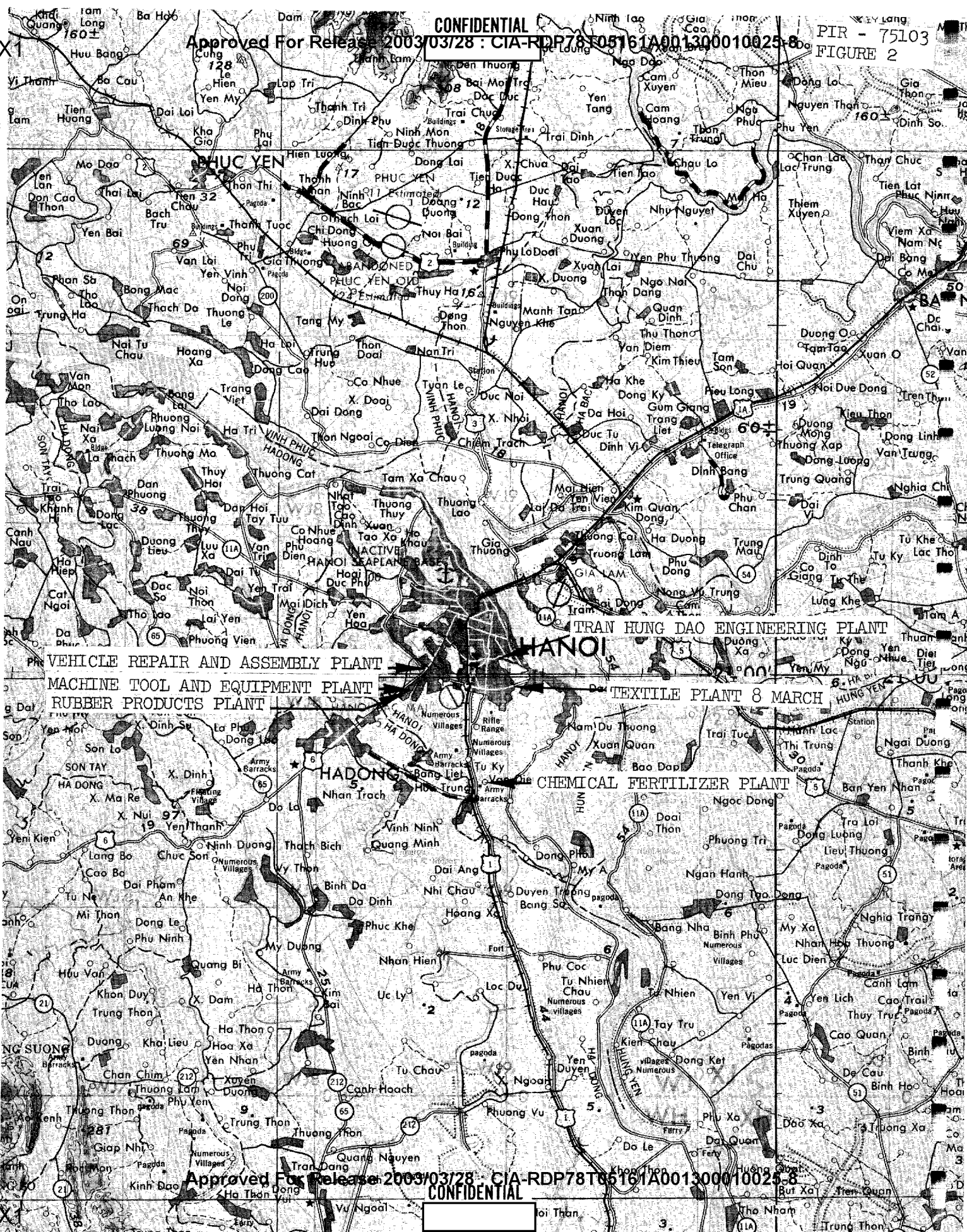
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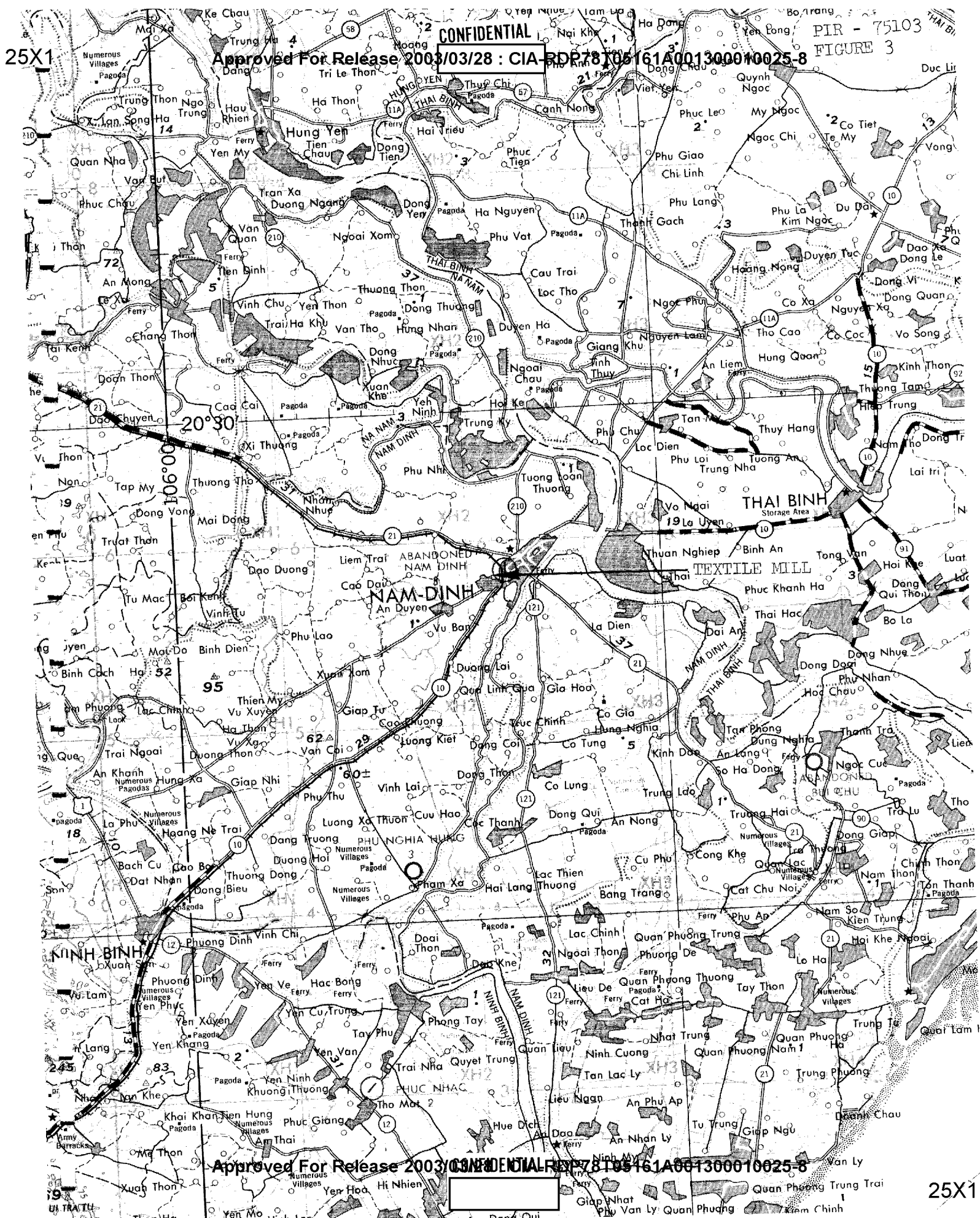
FIGURE 2



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FIGURE 3



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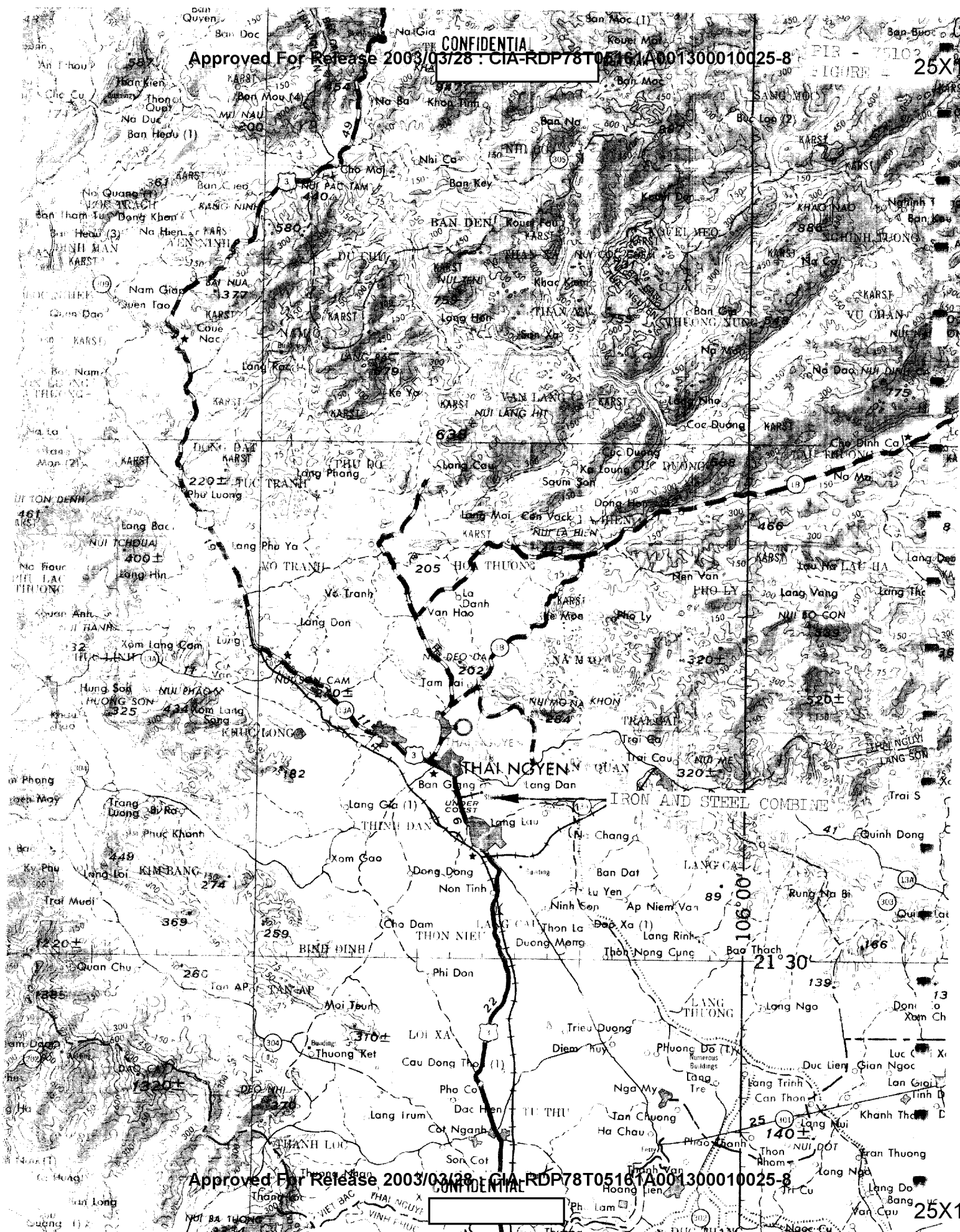
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FIGURE

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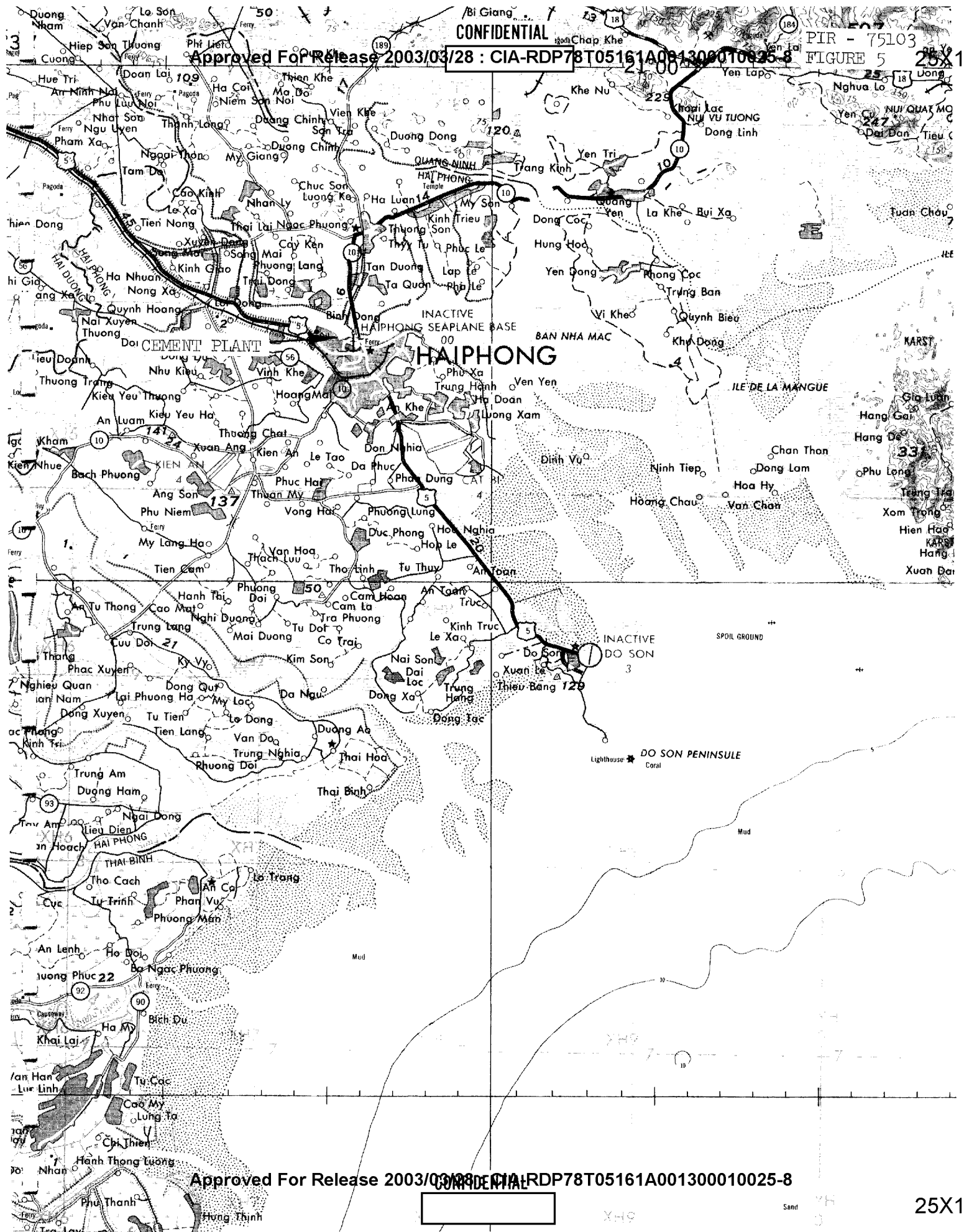


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INDUSTRIAL ACTIVITY
NORTH VIETNAM

This is the second in a series of reports to assess the effect of the air war on industry in North Vietnam (CIA/PIR 75077). Assessment of the industrial activity is based on such indicators as the resupply or depletion of raw materials, effluents from the plants, level of river and vehicular traffic, the presence of packing crates, and the growth of vegetation within the confines of the plants.

HANOI CHEMICAL FERTILIZER PLANT

20 56 41N - 105 50 23E
(Figures 1 and 2)

No apparent change in the level of productive activity has been noted since the last report.

Photography of [] shows that construction in the plant area continues. The small building and adjacent storage tank in the northern section of the plant appears to be completed. One of the large buildings in the southeastern section of the plant has been removed. Recent photography of good quality suggests that the previously reported new access road into the plant is a roadbed for three rail spurs. The latest photography dated [] (Figure 6) shows a second building under construction in the northern section of the plant.

HANOI VEHICLE REPAIR AND ASSEMBLY PLANT

20 59 55N - 105 48 41E
(Figures 1 and 2)

The latest photography of [] (Figure 7) shows no apparent change in the level of activity at this installation.

HANOI MACHINE TOOL AND ENGINEERING PLANT

20 59 59N - 105 49 15E
(Figures 1 and 2)

The latest photography of [] (Figure 8) shows no apparent change in the level of activity at this plant. There has been no change to the building under construction.

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HANOI TEXTILE PLANT - [REDACTED]
20 59 37N - 105 52 32E
(Figures 1 and 2)

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The latest coverage of this facility dated [REDACTED] (Figure 9) revealed that the west wall of the plant had been extended to encompass an area measuring 240 feet by 120 feet. Within this area, the ground is scarred and new facilities appear possibly to be under development.

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No indicators of productive activity could be discerned on the most recent photography.

HANOI ENGINEERING PLANT TRAN HUNG DAO
21 00 36N - 105 51 16E
(Figures 1 and 2)

A review of photography of [REDACTED] showed numerous packing crates along the side of the largest fabrication building in the plant. Photography of [REDACTED] (Figure 10) revealed that nearly all of these crates had been removed. No other changes in status within the installation were noted.

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HANOI RUBBER PRODUCTS PLANT
20 59 35N - 105 49 05E
(Figures 1 and 2)

This facility was observed on photography from [REDACTED] missions flown during the period from [REDACTED]. The latest coverage showed none of the indicators of productive activity, (Figure 11).

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The only activity noted in the vicinity of the plant and probably associated with it was the partial roofing of a workshop/storage building located adjacent to the southern boundry of the plant.

NAM DINH TEXTILE MILL
20 25 16N - 106 10 45E
(Figures 1 and 3)

A study of recent photography dated [REDACTED] (Figure 12) shows additional damage to the main production buildings (B, C, D, E) and various support structures. This damage varies from superficial to extreme structural.

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There is no apparent activity within the plant area and the debris appears to remain on the building floors.

-2-

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THAI NGUYEN IRON AND STEEL COMBINE

21 34N - 105 52E

(Figures 1 and 4)

Analysis of this facility was accomplished from photography of [REDACTED] The study revealed that all three blast furnaces were apparently operational [REDACTED] but only two were active on [REDACTED] The latest coverage (Figure 13) reveals that all three of the blast furnaces are operating and that the plant is capable of producing iron but not steel.

Quantities of raw materials appeared to be approximately the same on all missions. More than 82 pieces of rolling stock, including two engines, were counted on the [REDACTED]; no rolling stock count could be made on the [REDACTED] Approximately 20 pieces of rolling stock were counted on the [REDACTED]

HAIPHONG CEMENT PLANT

20 51 44N - 106 40 18E

(Figures 1 and 5)

The facility continues to show a high level of activity for the period from [REDACTED]

The latest photography dated [REDACTED] (Figure 14) shows five kilns operating with 2 shut down, possibly for periodic relining. Also several barges were noted in the area where the limestone is unloaded.

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FIGURE 6 25X

PROBABLE RAILROAD SPUR U/C

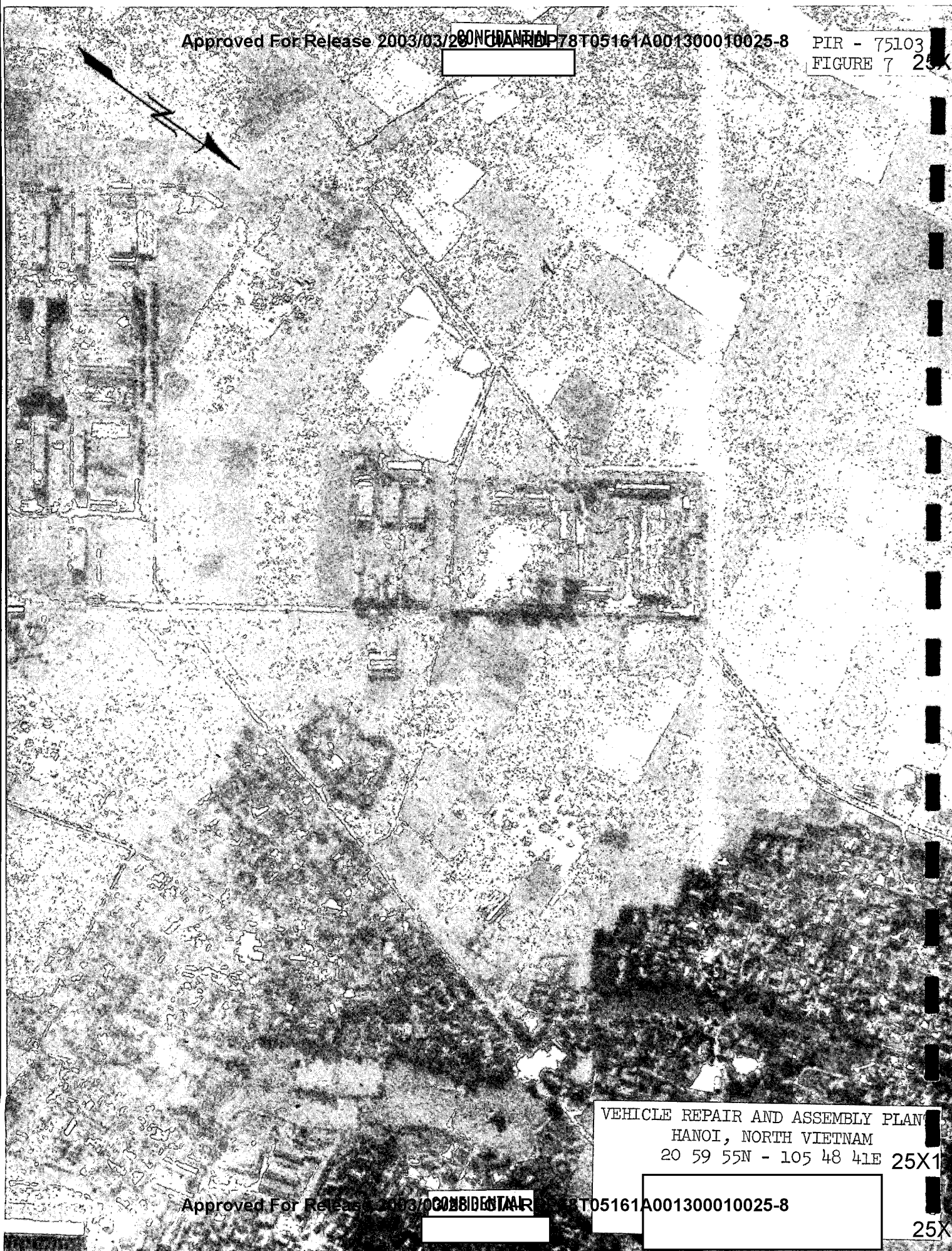
BUILDING REMOVED

AREA OF CONSTRUCTION

CHEMICAL FERTILIZER PLANT
HANOI, NORTH VIETNAM
20 56 41N - 105 50 23E

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VEHICLE REPAIR AND ASSEMBLY PLANT

HANOI, NORTH VIETNAM

20 59 55N - 105 48 41E

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BUILDING U/C

MACHINE TOOL AND EQUIPMENT PLANT
HANOI, NORTH VIETNAM
20 59 59N - 105 49 15E

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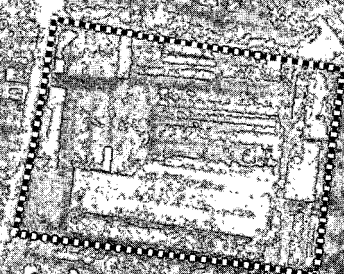
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FIGURE 9

AREA OF EXPANSION

TEXTILE PLANT 8 MARCH
HANOI, NORTH VIETNAM
20 59 37N - 105 52 32E

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TRAN HUNG DAO ENGINEERING PLANT
HANOI, NORTH VIETNAM
21 00 36N - 105 51 16E

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FIGURE 11

25X

BUILDING U/C

RUBBER PRODUCTS PLANT
HANOI, NORTH VIETNAM
20 59 35N - 105 49 05E

25X

25X

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FIGURE 12 25X1



25X1
NAM DINH TEXTILE MILL
NAM DINH, NORTH VIETNAM
20 25 16N - 106 10 45E 25X1

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THAI NGUYEN IRON AND STEEL COMBIN²
THAI NGUYEN, NORTH VIETNAM
21 34N - 105 52E

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FIGURE 14 25X



HAIPHONG CEMENT PLANT
HAIPHONG, NORTH VIETNAM
20 51' 44N - 106 40 18E

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REFERENCES

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MAPS AND CHARTS

Locator Map, North Vietnam, NPIC Base 11 (UNCLASSIFIED)

JOG (G) Series 1501, Sheet NF 48-16, 1st Edition, June 1965 (UNCLASSIFIED)

JOG (G) Series 1501, Sheet NF 48-11, 1st Edition, June 1965 (UNCLASSIFIED)

JOG (G) Series 1501, Sheet NF 48-15, 1st Edition, June 1965 (UNCLASSIFIED)

REQUIREMENT

C-RR6-84,106

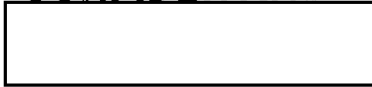
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